

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RECEIVED

REGION 10 1200 Sixth Avenue, Suite 900 Seattle, Washington 98101

JUL 14 2008

B6WBF 3.2 7/11/08

Environmental Cleanup Office

July 11, 2008

Reply To

Attn. Of: OEA-095

MEMORANDUM

SUBJECT: Data Transmittal for Bremerton Gasworks TBA,

Case# 37435, SDG: MJ8J75, Inorganic Analysis

FROM:

Donald Matheny, Chemist

Environmental Services Unit, OEA

TO:

Joanne LaBaw, Project Manager

Office of Environmental Cleanup (ECL-115)

CC:

Renee Nordeen, Ecology & Environment

The following data are being transmitted for the above project. Five (5) sediment samples were analyzed for total arsenic by Bonner Analytical, Hattiesburg, MS. Sample numbers for this delivery group are:

MJ8J74 MJ8J75 MJ8J76 MJ8J77 MJ8J78

A cursory assessment of the data indicates the following:

All QC for this sample set were in compliance. The "*" qualifier applied by the lab indicates that the sample duplicate result of 25% did not meet the 20% RPD criteria applied to water samples but it was well within the Region 10 applied 35% RPD criteria for solids. This qualifier should be ignored.



1A-IN NORGANIC ANALYSIS DATA SHEET EPA SAMPLE NO.

| | INORGAN | TIC ANALISIS | DAIA | 0110 | | | MJ | 8J74 |
|----------------------|-----------------|--------------|-------|------|----------|----------|--------|--------|
| Lab Name: Bonner Ar | nalytical Testi | ing | Со | ntra | .ct: EPV | v06055 | _ | |
| Lab Code: BONNER Ca | ase No.: 3743 | 5 NRAS | No.: | 155 | 9.0 | SDG | No.: M | IJ8J75 |
| Matrix: (Soil/Water |) SOIL | | Lab S | ampl | e ID: | 08060 | 24-01 | |
| Level: (low/med) L | OW | I | Date | Rece | eived: | 06/06 | /2008 | |
| % Solids <u>73.3</u> | · · | | | | | | | · |
| Concentration Unit | s (ug/L or mg/k | g dry weight |): | | mg/K | <u>g</u> | | |
| CAS NO. | Analyte | Concentratio | n, | С | Q | · | М | , |
| 7440-38-2 | Arsenic | . 2 | 2.3 | | | | P | |

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA - CLP

| | | lA-IN | | | | | EPA SAM | PLE NO. |
|---------------------|---------------|--------------|---------|--------|------------|--------|---------|---------|
| | INORG | ANIC ANALYSI | S DATA | A SHEI | ST. | | мJ83 | 775 |
| Lab Name: Bonner A | nalytical Tes | sting | _ c | ontra | ct: EPW | 06055 | | _ |
| Lab Code: BONNER C | ase No.: 37 | 435 NRAS | S No. | 1559 | 9.0 | SDG | No.: MJ | 3J75 |
| Matrix: (Soil/Water | s) soil | | Lab | Sampl | e ID: | 80602 | 24-02 | |
| Level: (low/med) I | LOW | | Date | Rece | ived: (| 06/06, | /2008 | |
| % Solids 79.5 | | -/h-m-d-n | h # \ - | | | | | - |
| Cas NO. | Analyte | Concentrat | | c T | mg/Kg Q | 7 | M | |
| 7440-38-2 | Arsenic | | 2.3 | | * | | P | |
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| | | YELLOW | Clarity Be | Artifac | | ELINEAPOR SE PAR |
|-------|------|--------|------------|-----------------|---|------------------|
| Comme | nts: | | | | | |
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EPA SAMPLE NO.

| . / 110111 | GANIC ANALISIS DAIA SH | MJ8J76 |
|---------------------------------|------------------------|-----------------------|
| Lab Name: Bonner Analytical, Te | sting Conti | ract: EPW06055 |
| Lab Code: BONNER Case No.: 37 | 7435 NRAS No.: 15 | 559.0 SDG No.: MJ8J75 |
| Matrix: (Soil/Water) SOIL | Lab Samp | ple ID: 0806024-03 |
| Level: (low/med) LOW | Date Rec | ceived: 06/06/2008 |
| % Solids 72.2 | | |
| Concentration Units (ug/L or m | g/kg dry weight): | mg/Kg |
| CAS NO. Analyte | Concentration C | Q M |
| 7440-38-2 Arsenic | 5.1 | * P |
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| Color | Before: | BROWN | . Clarity | Before: | · | Texture: | MEDIUM | _ |
|-------|----------|----------|---------------------------------------|---------|---|------------|----------|---|
| Color | After: _ | _YELLOW | Clarity | After: | | Artifacts: | | _ |
| Comme | nts: | | · · · · · · · · · · · · · · · · · · · | | | | | |
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USEPA - CLP

1A-IN INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

| | | 11 | ORGANIC P | NALISIS DAI | A SIII | | | M | J8J77 |
|----------|-----------|---------------------|---------------------------------------|-------------|--------|---------|--------|--------|--------------|
| Lab Name | e: Bonner | Analytical | Testing | | Contr | act: EP | w06055 | , | |
| Lab Code | BONNER | Case No.: | 37435 | NRAS No. | : 15 | 59.0 | SDG | No.: 1 | MJ8J75 |
| Matrix: | (Soil/Wat | er) SOIL | | Lab | Samp | le ID: | 08060 | 24-04 | |
| Level: | low/med) | LOW | · · · · · · · · · · · · · · · · · · · | Date | e Rec | eived: | 06/06 | /2008 | |
| % Solids | 81.6 | | | | | | | • | |
| Concent | ration Un | its (ug/L o | r mg/kg dr | ry weight): | | mg/F | ⟨g | | |
| | CAS NO. | Analyte | Conc | centration | С | (| 2 . | М |] |
| | | Arsenic | | 2.6 | | | * | Р | 1 |

| Color | Before:_ | BROWN | Cla | rity B | Before: | | Texture: | MEDI | UM | |
|-------|----------|--------|-----|--------|---------|-------|-----------|-----------|---------------------------------------|--|
| Color | After: _ | YELLOW | Cla | rity A | After: | | Artifacts | : <u></u> | | |
| Comme | nts: | | | | | | | | | |
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| , | <u> </u> | | | | ·: | | | | · · · · · · · · · · · · · · · · · · · | |
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la-in inorganic analysis data sheet

| ΕPΑ | SAMPLE | NO. |
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| | * . | | • | • | | | | | MJ | 8J78 | |
|-----------------|------------|---------------------|-----------|----------|-------|-------|--------|--------|----------------|--------|--|
| Lab Name | : Bonner | Analytical | Testing | | Co | ntra | ct: EP | w06055 | | | |
| Lab Code | : BONNER | Case No.: | 37435 | NRAS | No.: | 155 | 9.0 | SDG | No.: M | 1J8J75 | |
| Matri x: | (Soil/Wate | er) SOIL | | | Lab S | Sampl | e ID: | 08060 | 2 4 -05 | | |
| Level: (| low/med) | LOW | | | Date | Rece | ived: | 06/06 | /2008 | | |
| % Solids | 83.6 | | | | | | | | | | |
| Concent | ration Un: | its (ug/L o | mg/kg dry | y weight | t): | _ | mg/I | (g. | | · | |
| | CAS NO. | Analyte | Conc | entratio | on | С | (| 2 | М | | |
| | 7440-38-2 | Arsenic | | | 1.5 | | · | * | P | | |
| | | | | _ | | | | | | | |

Color Before: BROWN Clarity Before: Texture: MEDIUM Color After: YELLOW Clarity After: Artifacts: _ Comments: